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EUROPEAN PATENT APPLICATION

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(a) Date of deferred publication of the search report: 08.11.95 Bulletin 95/45 Applicant: HEWLETT-PACKARD COMPANY 3000 Hanover Street Palo Alto, California 94304-1181 (US)

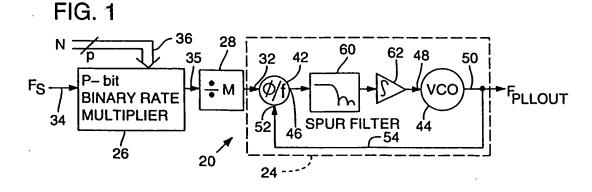
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Representative: Colgan, Stephen James et al CARPMAELS & RANSFORD 43 Bloomsbury Square London WC1A 2RA (GB)

- Phased locked loop synthesizer using a digital rate multiplier reference circuit.
- (20) A phase locked loop synthesizer (20) for generating a digitally programmable, continuous wave signal comprises a rate multiplier (26) and divider (28) connected in a reference signal path to a phase detector (42). The rate multiplier and divider generate a reference signal which is programmable to any of a set of regularly spaced frequencies having exact decimal representations. The divider limits the

peak-to-peak phase deviation of the rate multiplier. The phase detector locks a synthesized signal generated by a variable frequency oscillator (44) to the phase of the programmed reference signal. A spur filter (60) connected to the phase detector output (46) reduces spurious frequencies in the phase detector output.





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EUROPEAN SEARCH REPORT

EP 95 30 0129

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Application Number EP 95 30 0129

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